

Fig. 1

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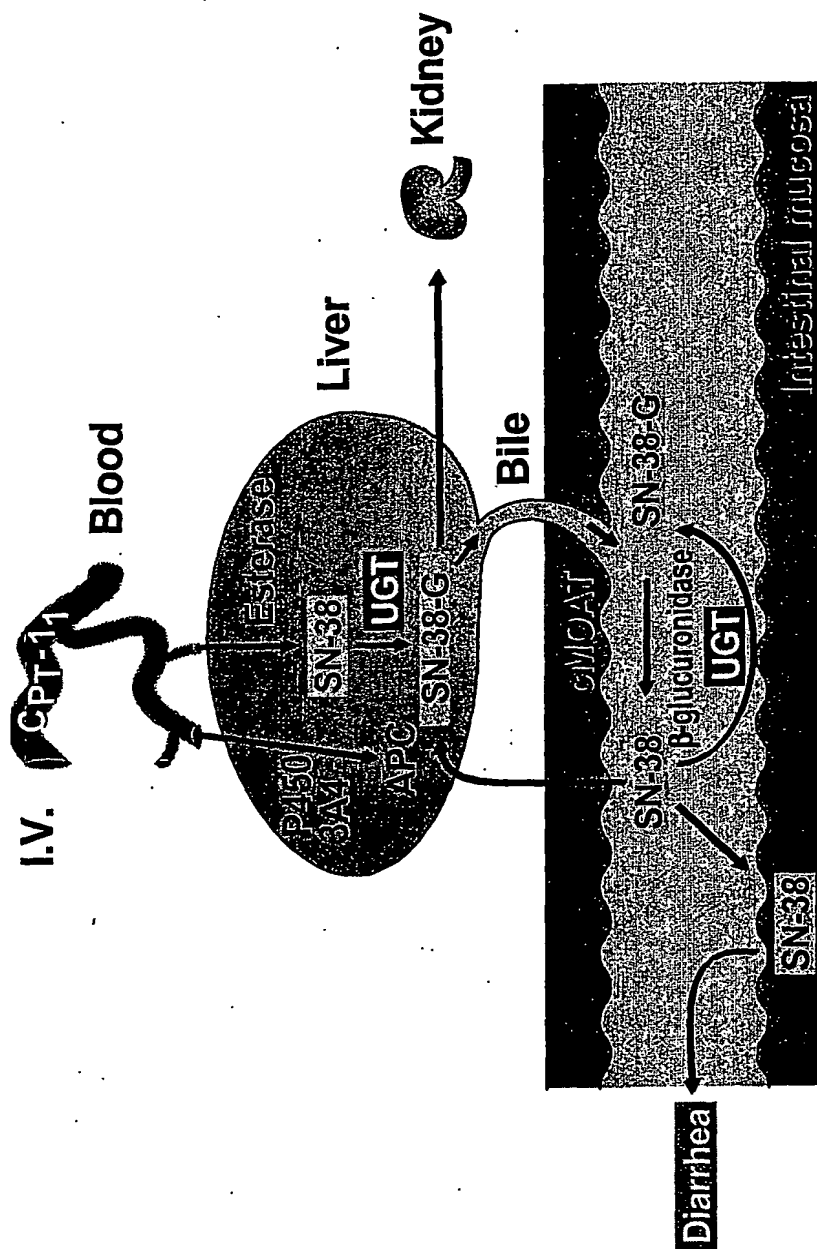


Fig. 2

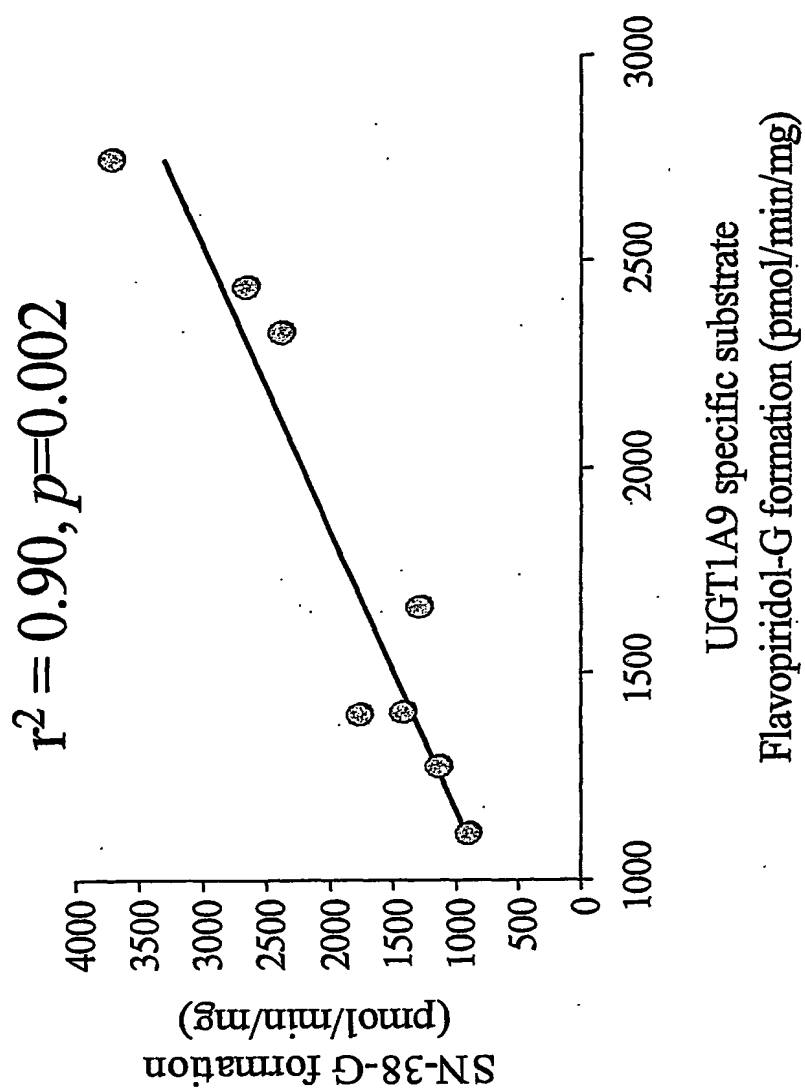


Fig. 3

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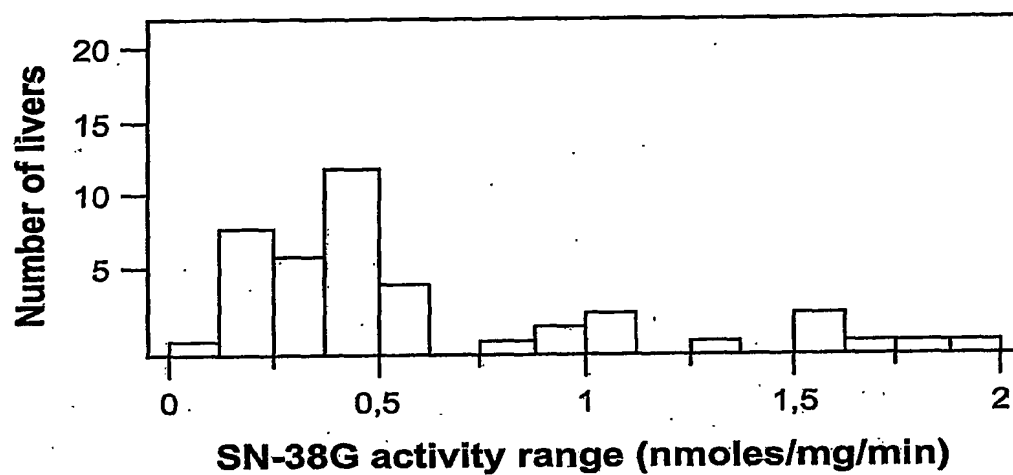


Fig. 4

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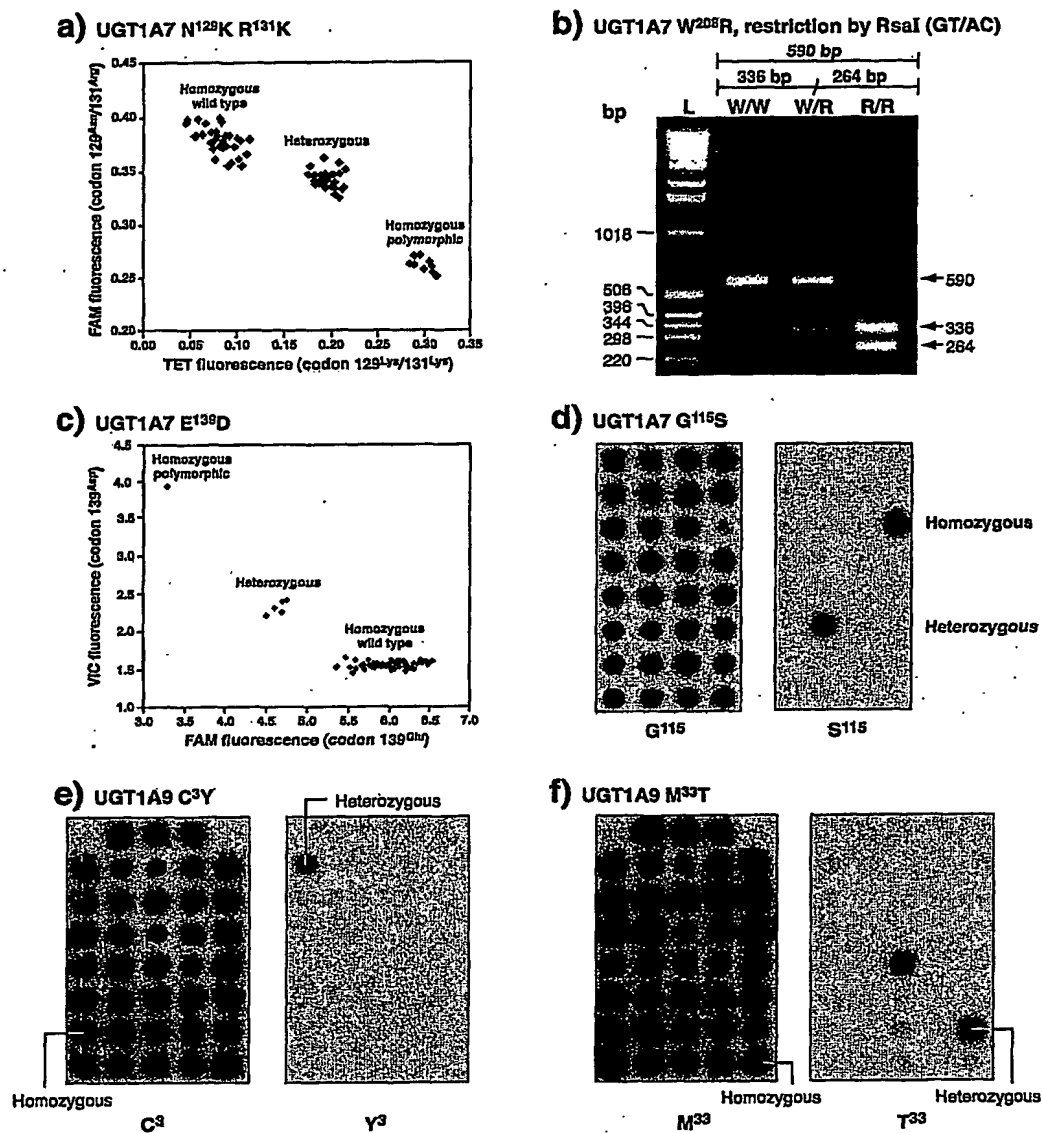


Fig. 5

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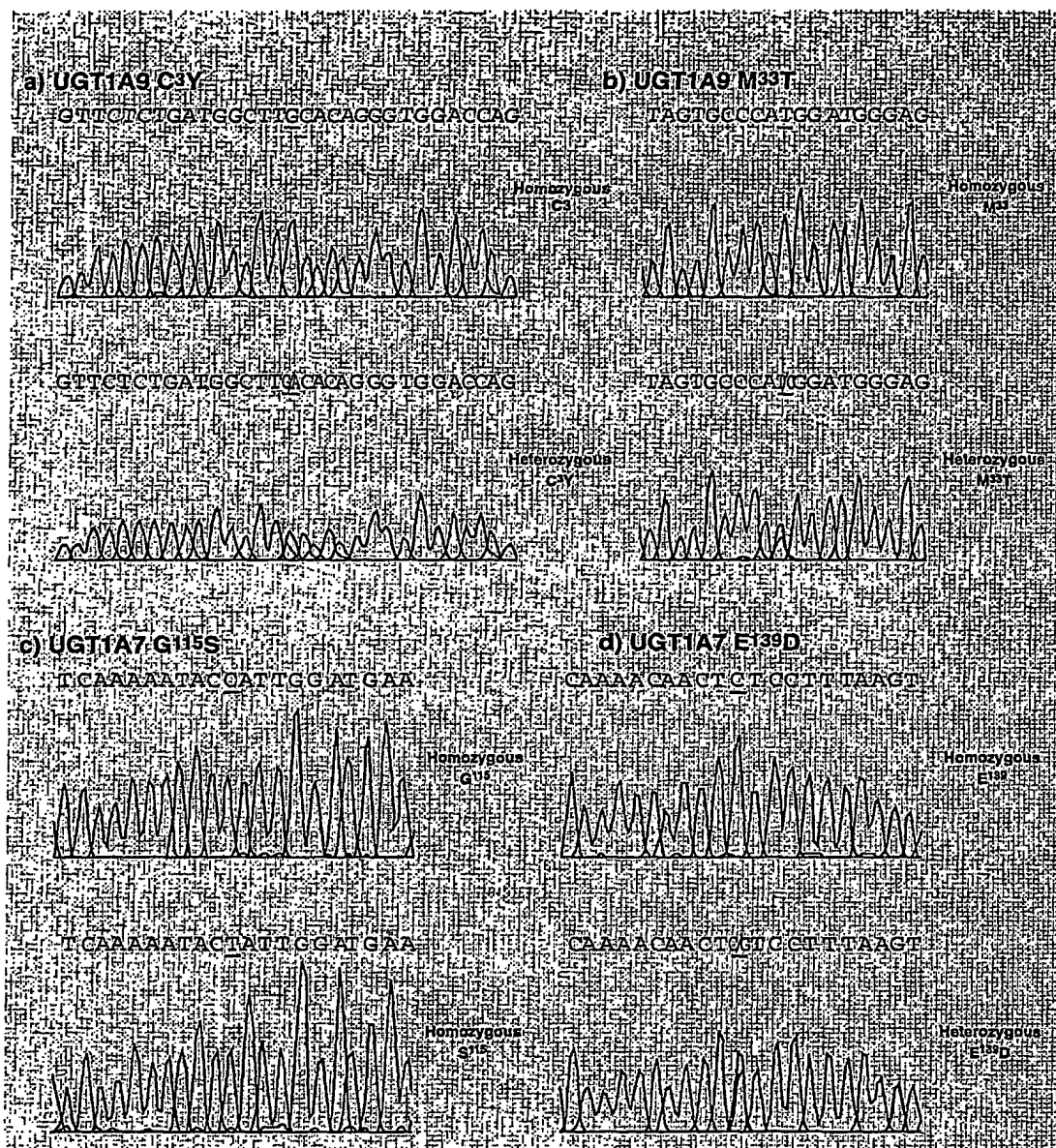


Fig. 6

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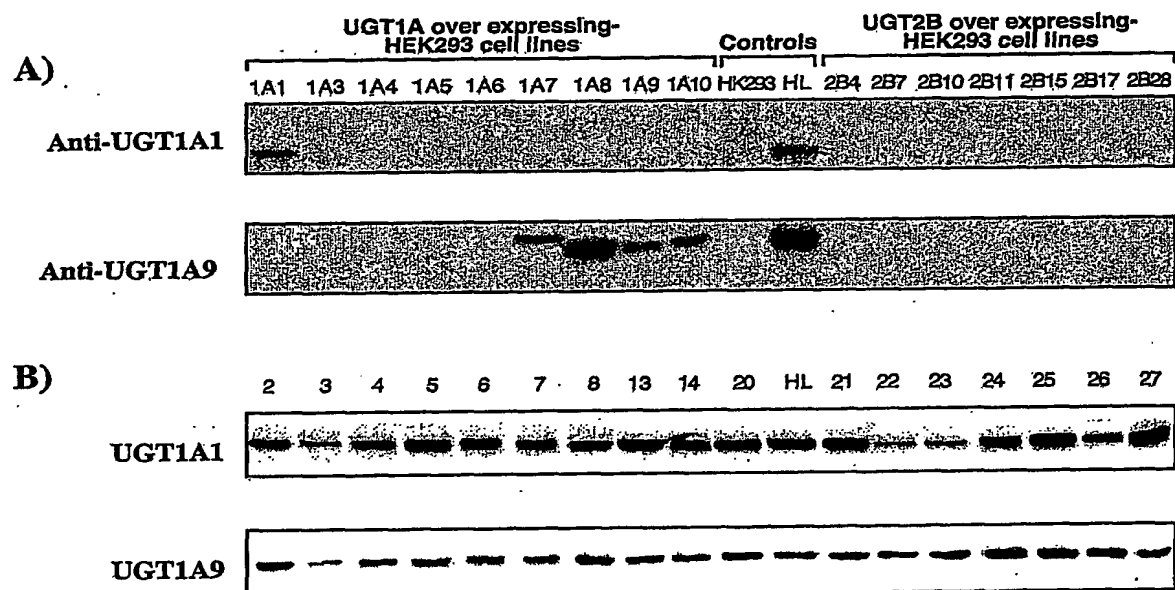
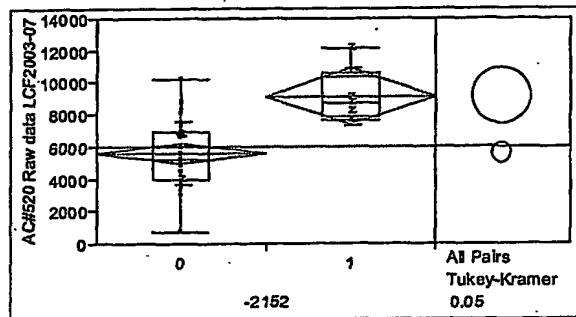


Fig. 7

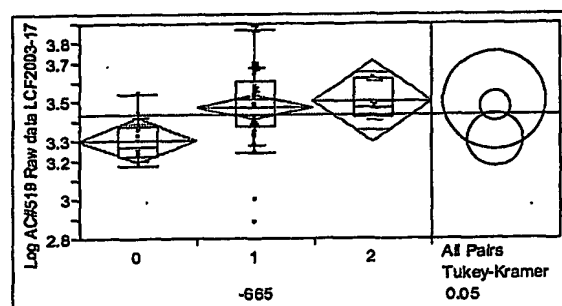
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Oneway Analysis of UGT1A9 protein expression By promoter variant**-2152 non-carrier: (0)****-2152 carrier: (1)****t-Test****Estimate
Analysis of Variance
Source
-2152****Difference
-3511.44****DF
1****t-Test
-3.805****Sum of Squares
55229128****DF
46****Prob > |t|
0.0004****Mean Square
55229128****F Ratio
14.4795****Prob > F
0.0004****Fig. 8a**

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Oneway Analysis of UGT1A9 protein expression By -665 promoter variant

-665 non carrier: (0)
-665 heterozygous: (1)
-665 homozygous: (2)



Analysis of Variance
Source
-665

DF
2

Sum of Squares
0.2354303

Mean Square
0.117715

F Ratio
3.6937

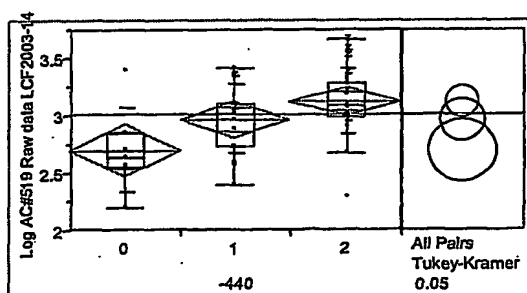
Prob > F
0.0331

Fig. 8b

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Oneway Analysis of UGT1A9 protein expression By -440 promoter variant

-440 non carrier: (0)
-440 heterozygous: (1)
-440 homozygous: (2)



Analysis of Variance
Source
-440

DF
2

Sum of Squares
1.0529458

Mean Square
0.526473

F Ratio
5.8987

Prob > F
0.0053

Fig. 8c

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-2152 carriers: (1)
-2152 non carriers: (O)

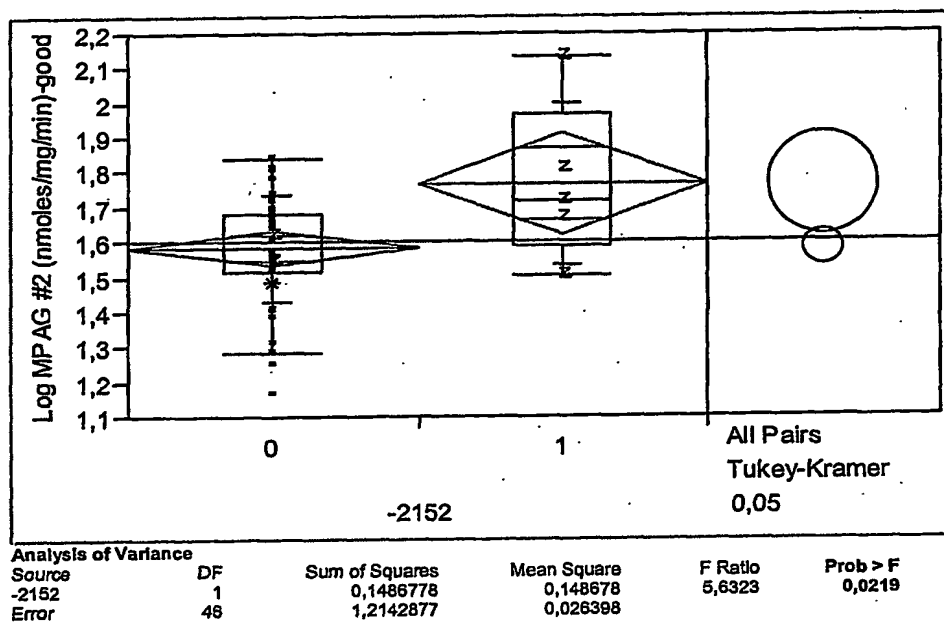


Fig. 9

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- 1818 non carriers: (0)
- 1818 heterozygous: (1)
- 1818 homozygous: (2)

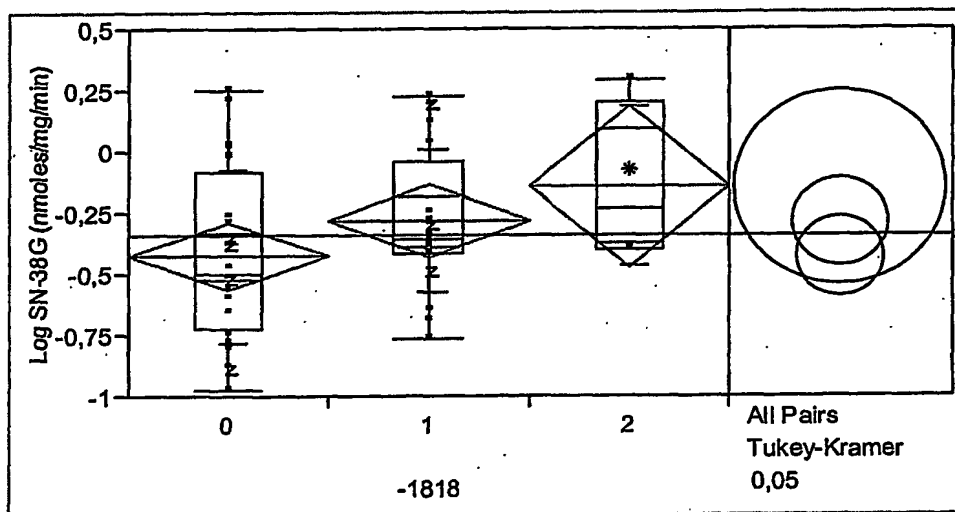


Fig. 10

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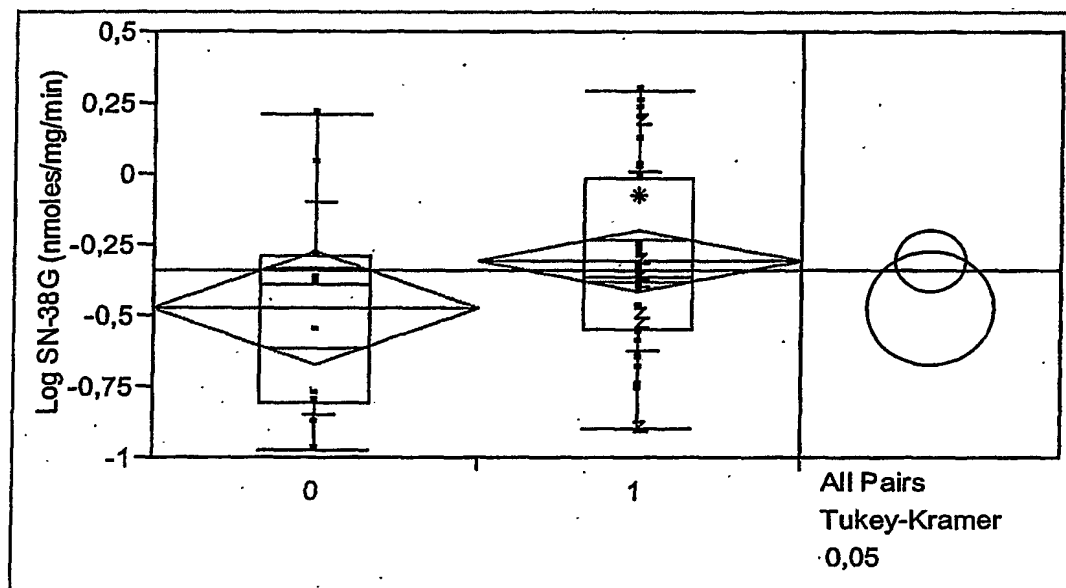
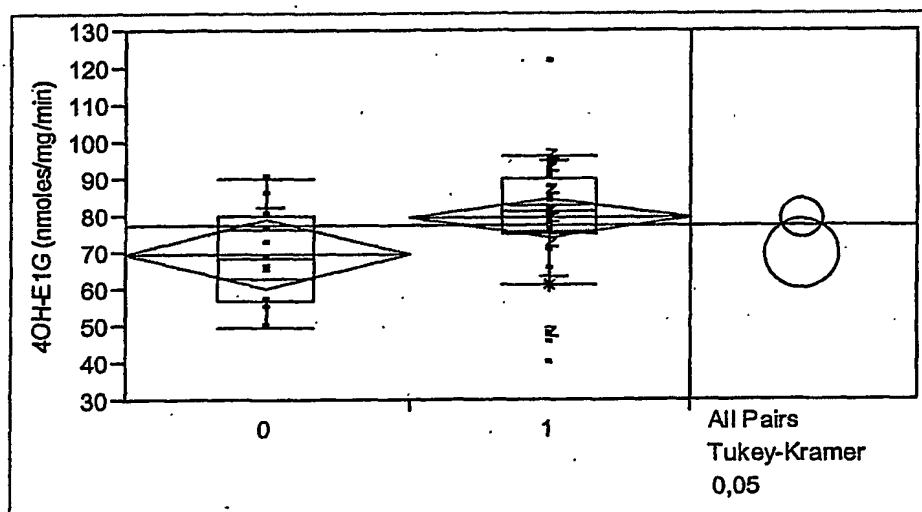
SN-38-Glucuronide formation**-665 carriers: (1)****-665 non carriers: (0)**

Fig. 11a

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4OHEstrone-Glucuronide formation**-665 carriers: (1)****-665 non carriers: (0)****Analysis of Variance**

Source
Porteur vs non porteur de mut -665
Error
C. Total

DF	Sum of Squares
1	822,270
46	10888,758
47	11711,028

Mean Square
822,270
236,712

F Ratio
3,4737

Prob > F
0,0687

Fig. 11b

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MPA-glucuronide formation

-665 carriers: (1)

-665 non carriers: (0)

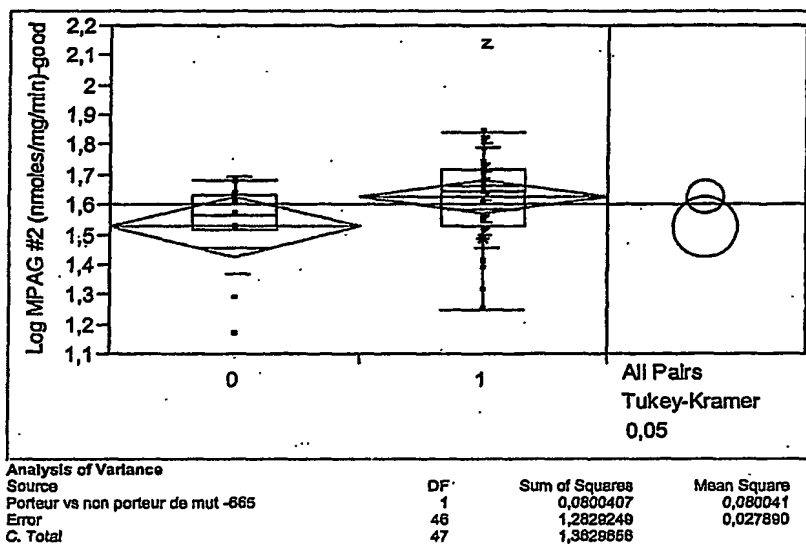
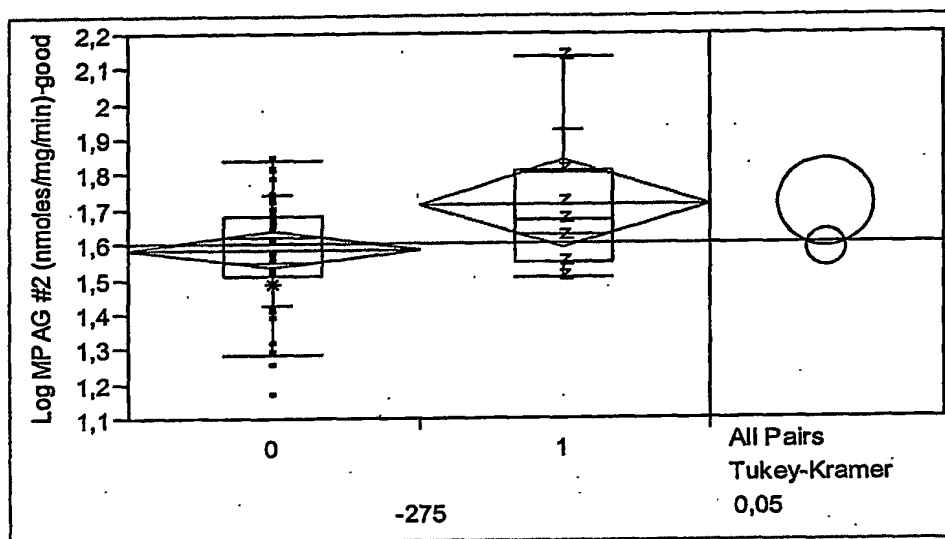


Fig. 11c

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-275 carriers: (1)
-275 non carriers: (0)

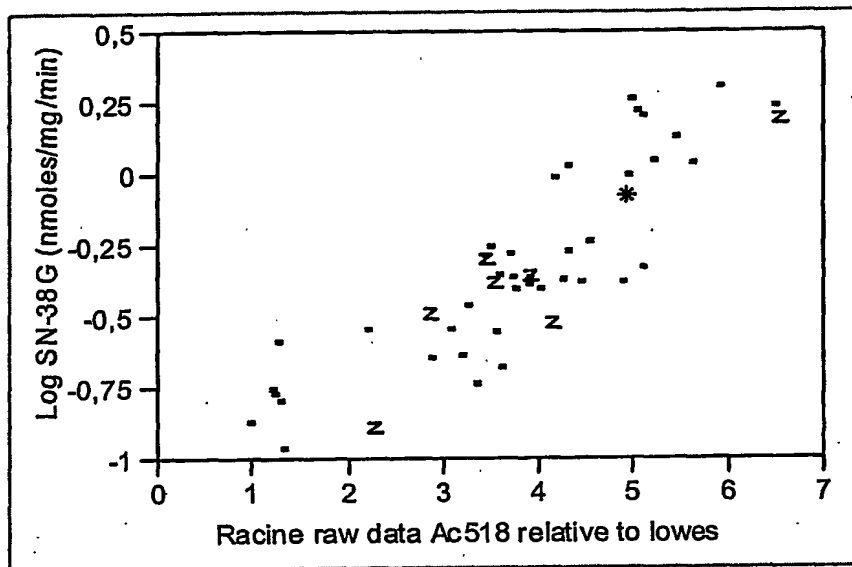


Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Ratio	Prob > F
-275	1	0,1011341	0,101134	3,6868	0,0611
Error	46	1,2618314	0,027431		
C. Total	47	1,3629656			

Fig. 12

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SN-38 G formation (nmoles/mg/min) By UGT1A1 protein level

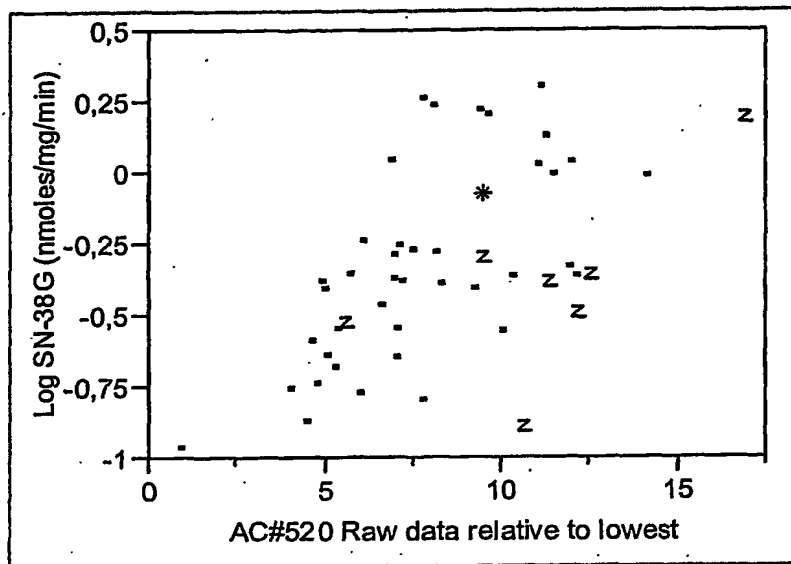
**Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-1,153565	0,071888	-16,05	<.0001
Racine raw data Ac518 relative to lowes	0,2128557	0,017751	11,99	<.0001

Fig. 13a

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SN-38 G formation (nmoles/mg/min) By UGT1A9 protein level (relative to the lowest)

**Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-0,853447	0,117342	-7,27	<.0001
AC#520 Raw data relative to lowest	0,0614746	0,013224	4,65	<.0001

Fig. 13b

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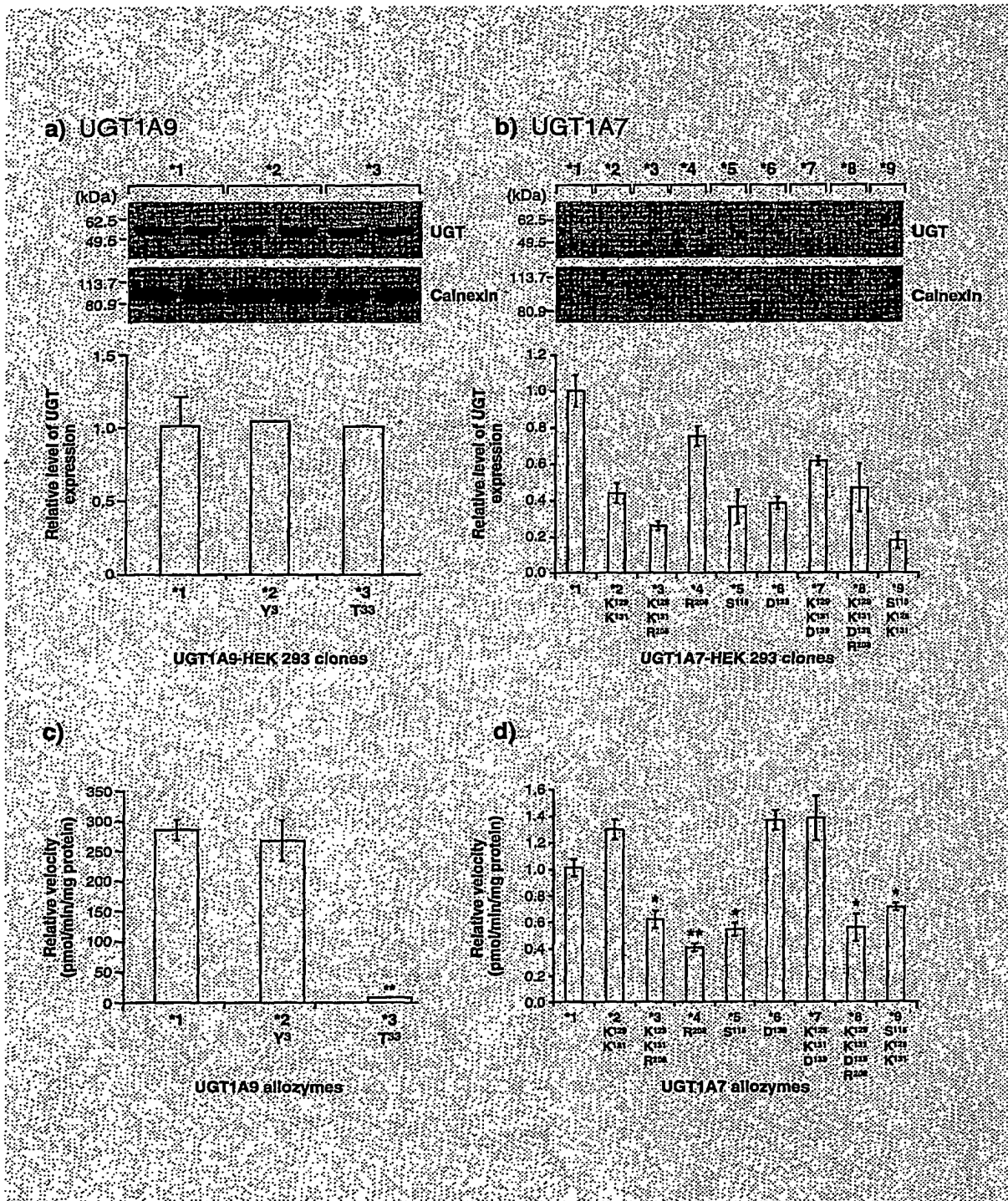


Fig. 14

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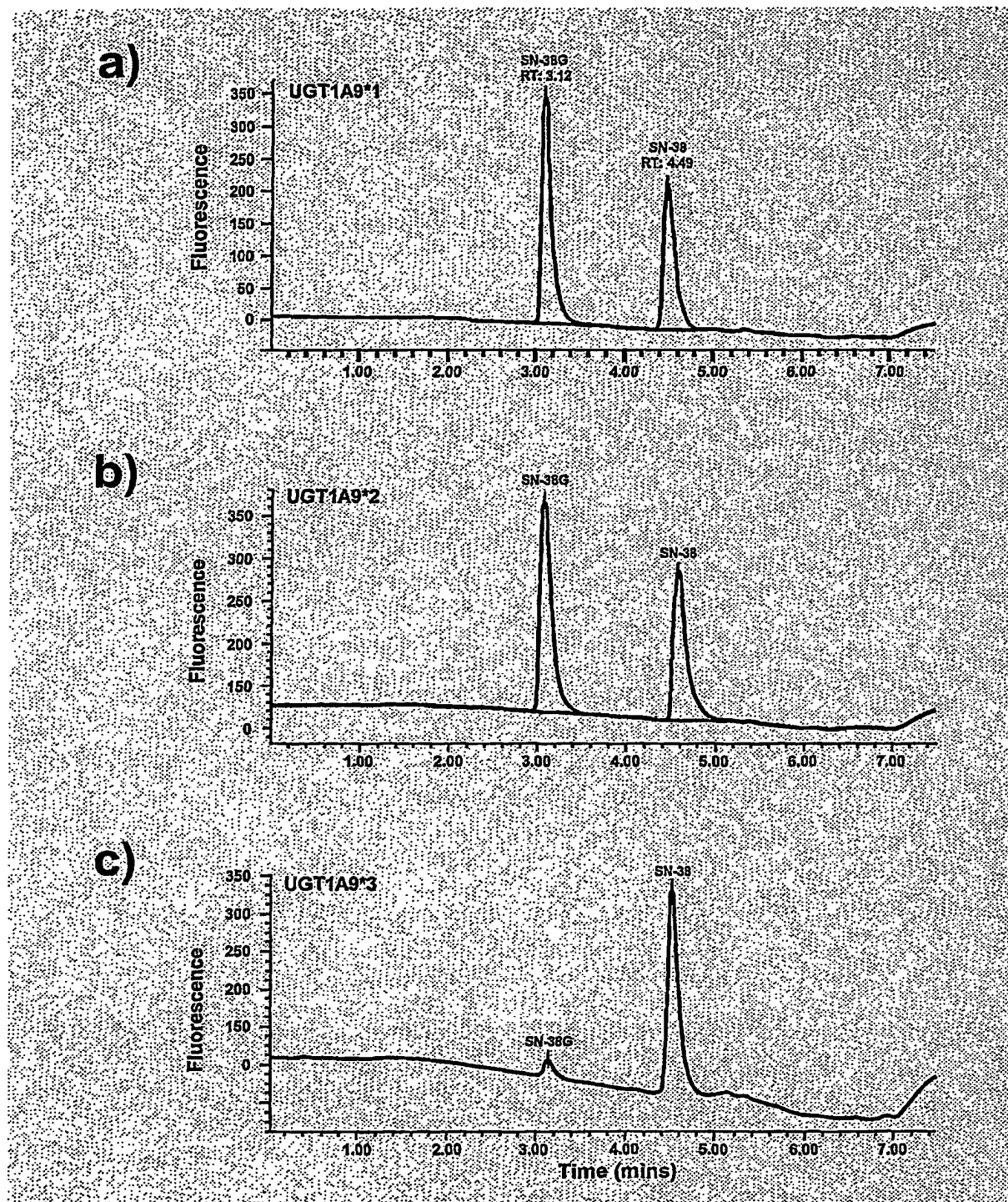


Fig. 15

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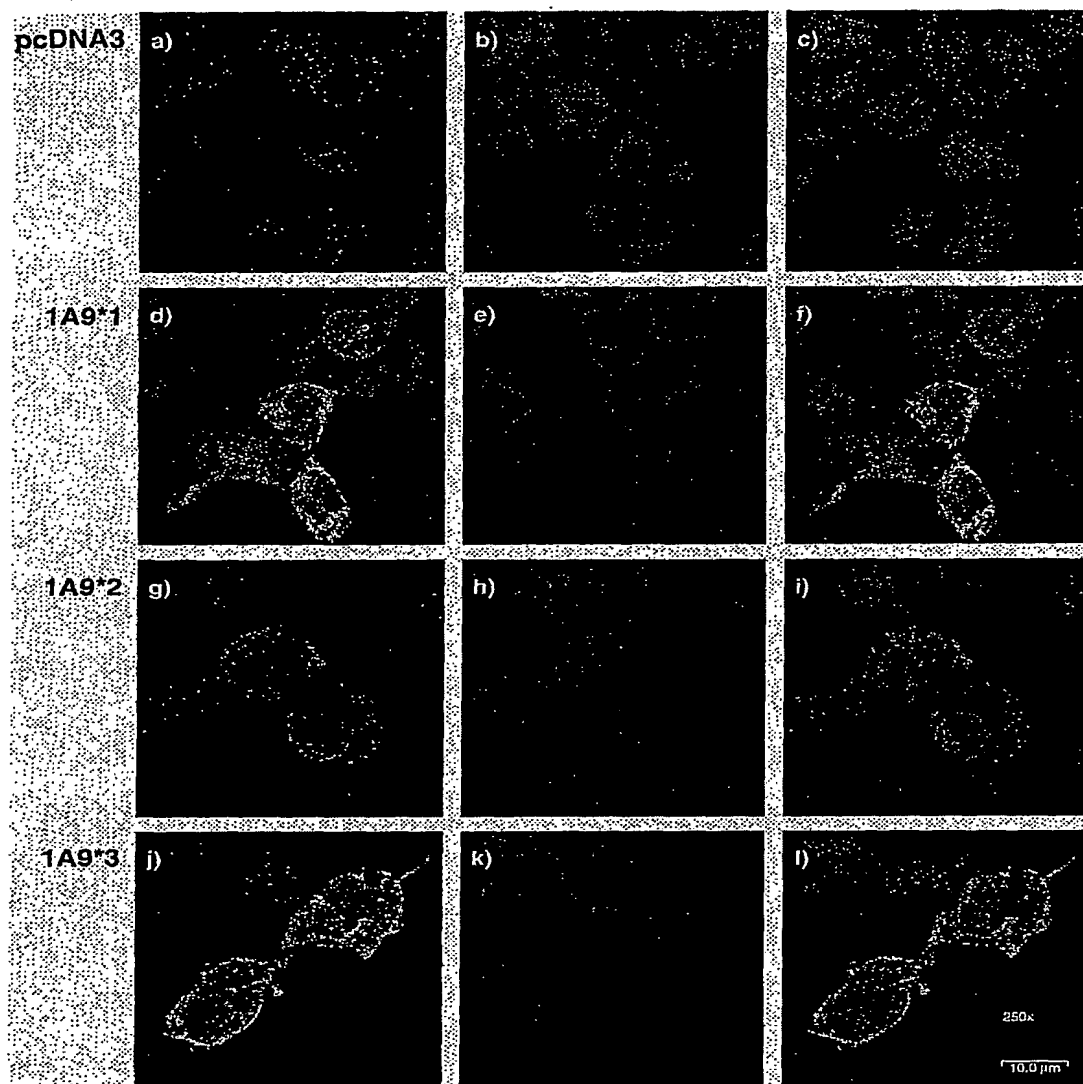


Fig. 16

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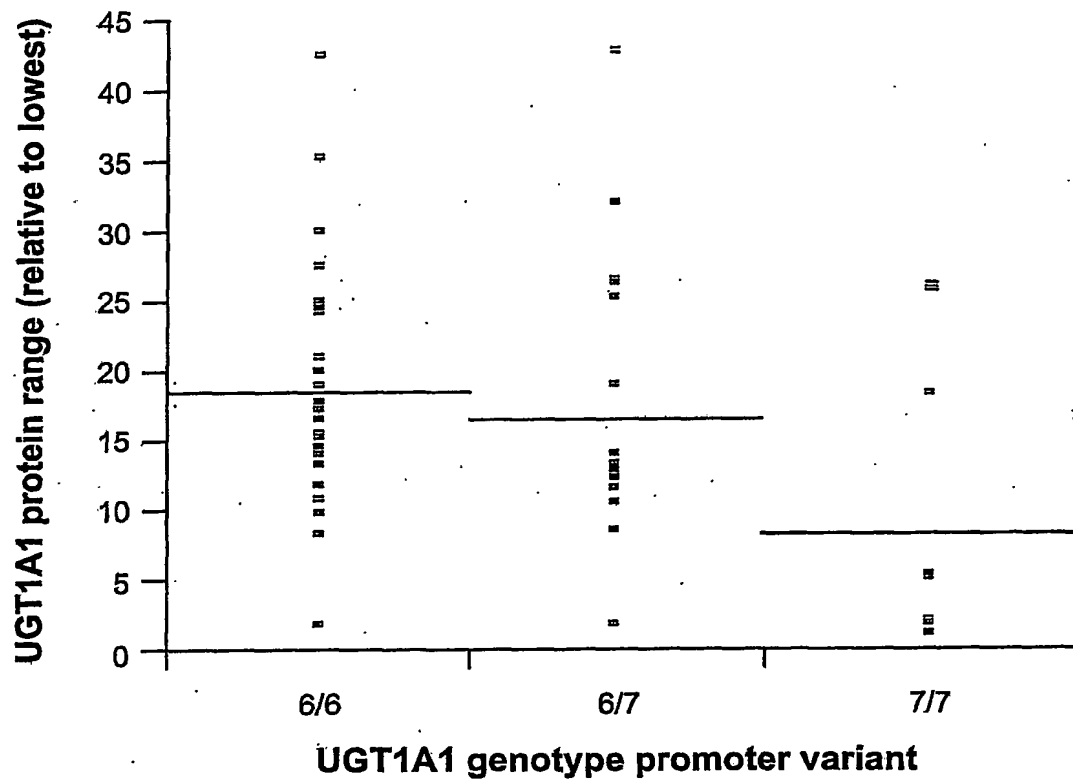


Fig. 17a

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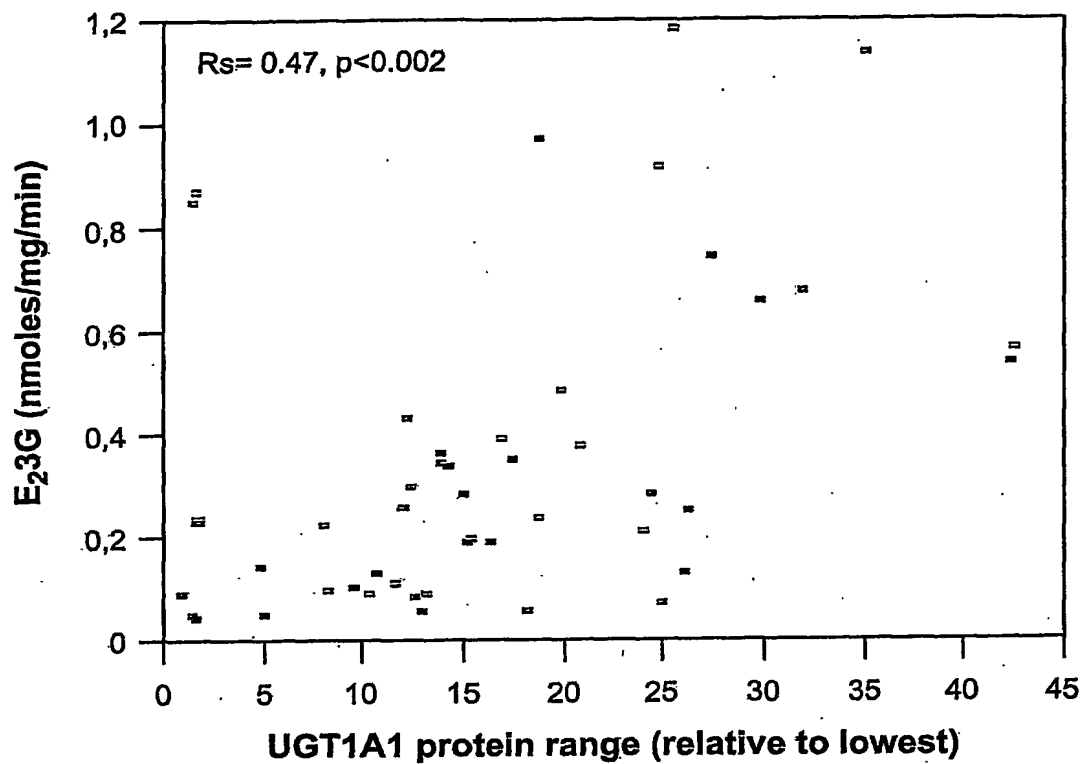


Fig. 17b

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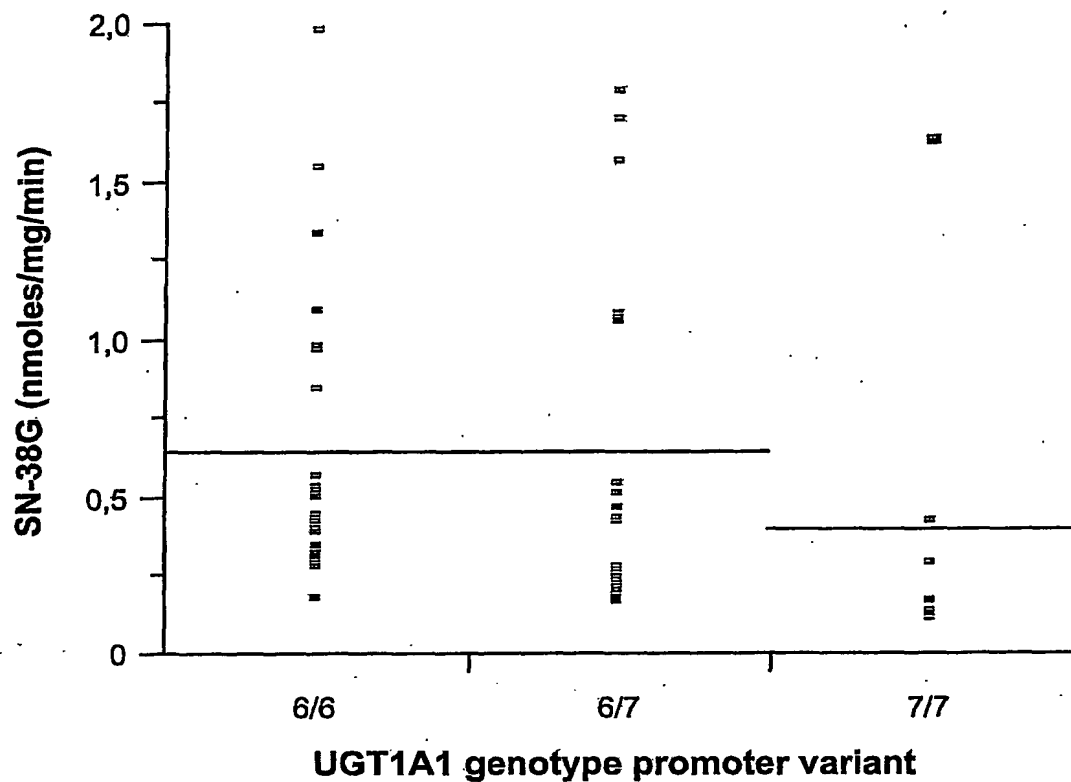


Fig. 17c

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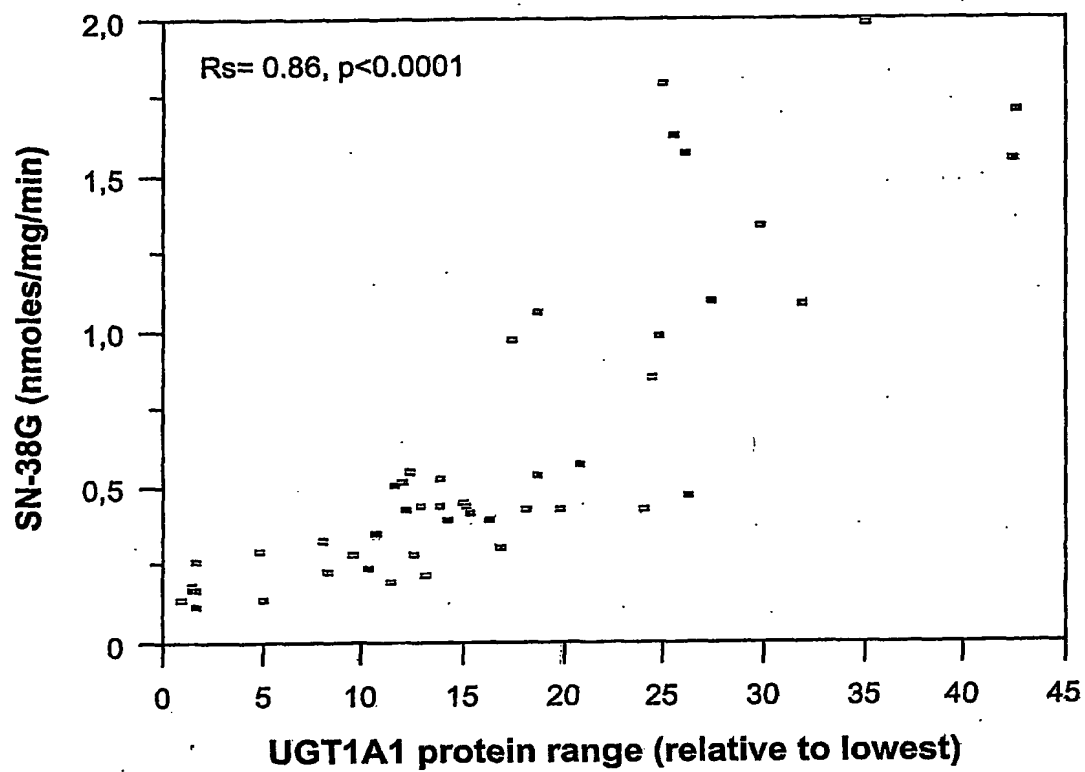


Fig. 18a

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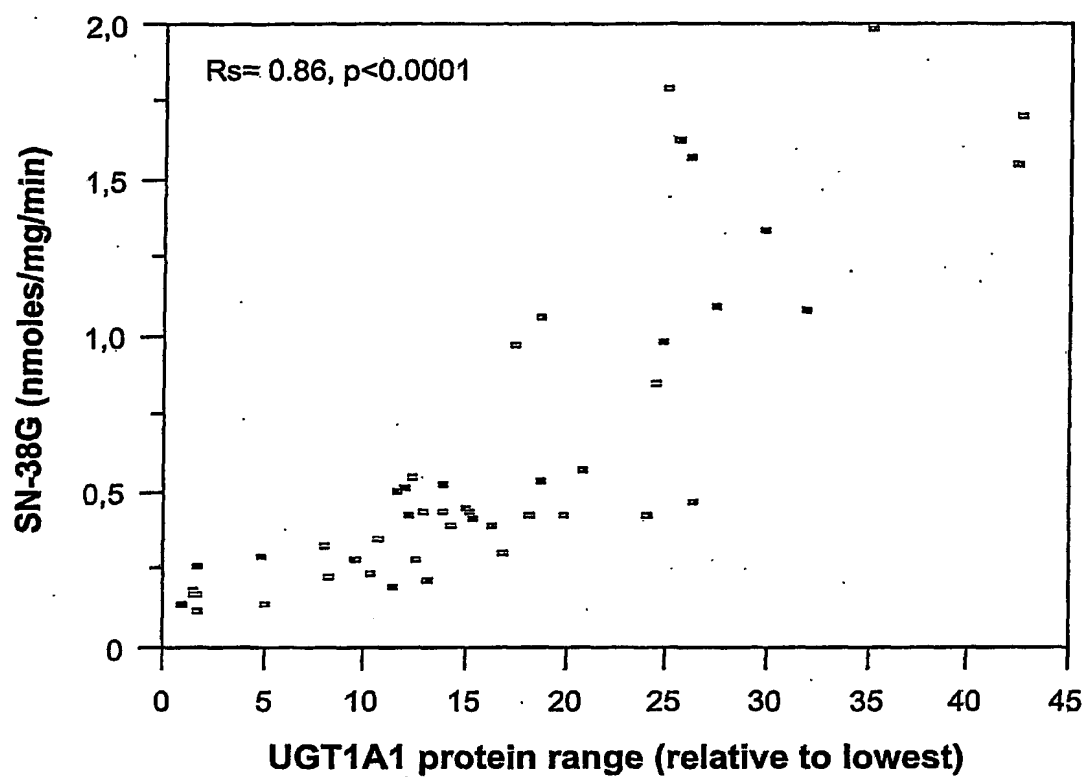


Fig. 18b

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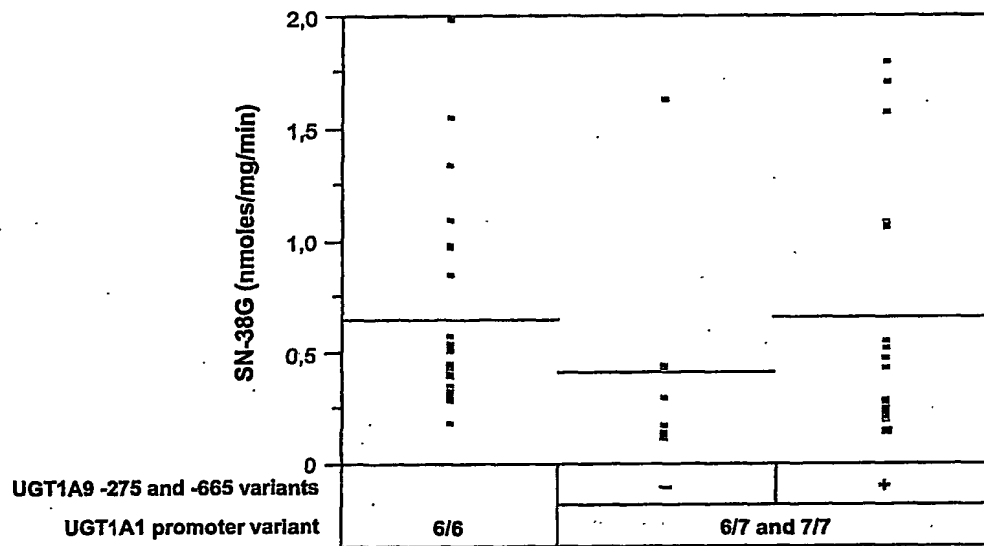


Fig. 19

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a)		115	129 131	139	208
UGT1A7	LLTSSSNGIFDLFFSNCRSLFNDRKLV EY LKESCFDAVF	MTFKERVVNHIMHLE			
UGT1A7V	LLTSSSNSIFDLFFSNCRSLFKDKKLVEY LK DSCFDAVF	MTFKERVVRNHIMHLE			
UGT1A8	LFLSSSNGFFNLFFSHCRSLFNDRKLV EY LK ESSFDAVF	MTFKERVVRNHIMHLE			
UGT1A9	LLMGSYNDIFDLFFSNCRSLFKDKKLVEY LK ESSFDAVF	MTFKERVVRNHIMHLE			
UGTA10	LLMSSSSGFLDLFFSHCRSLFNDRKLV EY LK ESSFDAVF	MTFKERVVNHIVHLE			
UGT1A7Rat	LLTSPAQGFFELLFSHCRSLFKDKKLVEY LK QSSFDAVF	MTFKERVVNLLSYMG			
b)		3	33		
UGT1A9	MACTGW	VVPMDGS			
UGT1A9V	MAYTGW	VVPTDGS			
UGT1A1	MAVESQ	LIPVDGS			
UGT1A3	MATGLQ	LVPIDGS			
UGT1A4	MARGLQ	LVPTDGS			
UGT1A5	MATGLQ	LVPTDGS			
UGT1A6	MACLLR	LVPQDGS			
UGT1A7	MARAGW	LVPMDGS			
UGT1A8	MARTGW	LVPMDGS			
UGT1A10	MARAGW	LVPMDGS			

Fig. 20

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